**1.Entities List:-**

**Person, Account,Financial\_Institution, Education\_Qual, School, school\_fee\_payment, Gold\_Arnament,Grocery\_Item.**

**2. Attributes List of Each entity:-**

**a.Person:**

**AttributeList={pid,pName, Aaadhar\_no,pan\_no, Gender, dob, tob, lob, photo, age, contact\_no, father\_name, mother\_name, no\_of\_sisters, no\_of\_brothers }**

**b.Account:**

**AttributList={acc\_no,acc\_type,debt\_card,credit\_card,min\_bal,prin\_amt,mat\_amt,duration,int\_rate,nominee, MI,EMD,guardian,closing\_date}**

**c.Financial Institution:**

**AttributeList={ISDN,name,address,FI\_Type}**

**d. School:**

**AttributeList={s\_id,sName,Address,school\_type}**

**e.school\_fee\_payment:**

**AttributeList={payment\_id,payment\_date,pay\_amt,payment\_mode,to\_whom,standard}**

**f.Educational\_qual:**

**AttributeList={Qual\_name,YOP,clg/school,University/Board,Grade, percentage ,certificate \_image }**

**g.Gold\_Arnament:**

**AttributeList={item\_no,item\_name,quntity,DOM,AtWhommade,Total\_price,is It kdm ,item \_photo}**

**h.Grocessory\_Item:**

**AttributeList={ item\_name,qty,price,DOP,TOP,shop\_name,who\_purchased}**

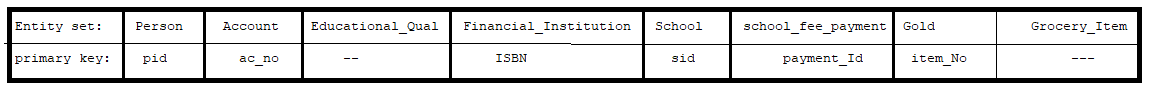
**3. Entity Set Types:**

**Strong Entity Sets={** person, Educational\_Institution, Financial\_Institution, Account, School\_fee\_payment ,Gold\_Arnament}

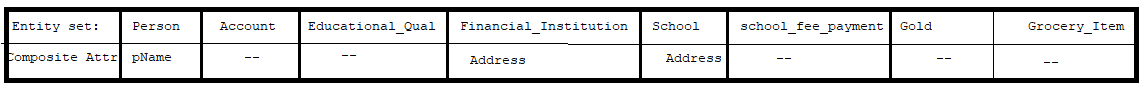
**Weak Entity Sets={** Educational\_qual, grocery\_item}

**4. Attribute Types:**

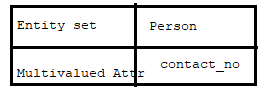
**4.1. Primary key:**



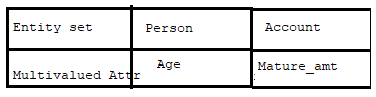
4.2**. Composite Attribute**:



4.3. **Multivalued Attribute:**

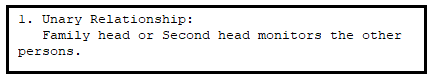


4.4.**Derived Attribute:**

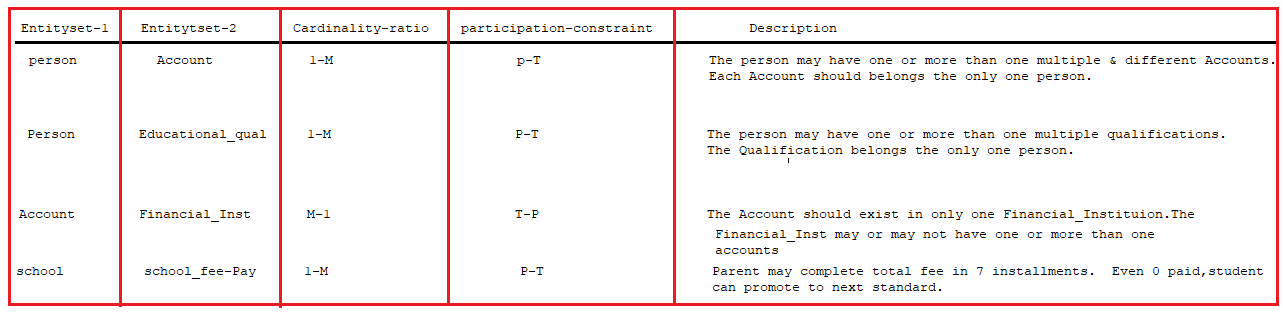


Note:- Remaining attributes are stored attributes , simple and single attributes.

**5.RelationShip Model:-**



5.2. Binary Relation-ship



Note:- The relationship between person and Educational\_qual is “**weak-Binary Relationship**”.

**6.Class-hierarchy:-**

**Super Entity set : Account**

**Attributes:** acc\_no,acc\_type,Doo,c\_card,d\_card,min\_bal

**Specialization Entity sets:**

**1.FD**

**Attributes:** Prin\_amt,Mat\_amt,int\_rate,nominee,MI,closing\_date,FD\_no

Participation Constraint: Total

**2.RD/SSA**

**Attributes:**SSA\_no,Guardian,total\_amt,closing\_date.

Participation Constraint: Total